



Material Content Data Sheet



Sales Product Name				IPD60R2K0C6		Issued		29. August 2013	
MA#				MA001070328					
Package				PG-TO252-3-311		Weight*		313.25 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	1.272	0.41	0.41	4059	4059	
leadframe	non noble metal	iron	7439-89-6	0.143	0.05		457		
	inorganic material	phosphorus	7723-14-0	0.043	0.01		137		
	non noble metal	copper	7440-50-8	143.098	45.69	45.75	456821	457415	
wire	non noble metal	aluminium	7429-90-5	0.536	0.17	0.17	1712	1712	
encapsulation	inorganic material	antimonytrioxide	1309-64-4	2.009	0.64		6413		
	plastics	brominated resin	-	2.153	0.69		6872		
	organic material	carbon black	1333-86-4	2.296	0.73		7330		
	plastics	epoxy resin	-	19.373	6.18		61844		
	inorganic material	silicondioxide	60676-86-0	117.670	37.56	45.80	375646	458105	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.19	1.19	11940	11940	
plating	non noble metal	nickel	7440-02-0	0.086	0.03		276		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.03	1	277	
solder	noble metal	silver	7440-22-4	0.041	0.01		130		
	non noble metal	tin	7440-31-5	0.033	0.01		104		
	non noble metal	lead	7439-92-1	1.553	0.50	0.52	4958	5192	
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		18		
	non noble metal	iron	7439-89-6	0.019	0.01		61		
	non noble metal	copper	7440-50-8	19.177	6.12	6.13	61221	61300	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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